

ABSTRACT OF THE DISCLOSURE

A transfer case is provided with a range unit, an interaxle differential, a clutch assembly and a power-operated actuation mechanism. The range unit includes a planetary gearset driven by an input shaft, and a synchronized dog clutch assembly for releasably coupling one of the input shaft or an output component of the planetary gearset to an input member of the interaxle differential. The interaxle differential further includes a first output member driving a first output shaft, a second output member operably driving a second output shaft. The clutch assembly is a multi-plate friction clutch operably disposed between the first and second output shafts. The power-operated actuation mechanism includes a range actuator assembly, a ball-ramp clutch actuator assembly and a motor assembly operable to control actuation of the range actuator assembly and the clutch actuator assembly.